

# **United States Antarctic Activities 2001-2002**

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*This site fulfills the annual obligation of the United States of America as an Antarctic Treaty signatory to report its activities taking place in Antarctica. This portion, Modifications to Plans 2001-2002, supplements Planned Activities for July 2001 through June 2002 published elsewhere on this site.*



**National Science Foundation  
Arlington, Virginia 22230  
September 3, 2002**

## **Introduction**

Organization and content of this site respond to articles III(1) and VII(5) of the Antarctic Treaty. Format is as prescribed in the Annex to Antarctic Treaty Recommendation VIII-6, as amended by Recommendation XIII-3.

The National Science Foundation, an agency of the U.S. Government, manages and funds the United States Antarctic Program. This program comprises almost the totality of publicly supported U.S. antarctic activities—performed mainly by scientists (often in collaboration with scientists from other Antarctic Treaty nations) based at U.S. universities and other Federal agencies; operations performed by firms under contract to the Foundation; and military logistics by units of the Department of Defense.

Activities such as tourism sponsored by private U.S. groups or individuals are included. In the past, some private U.S. groups have arranged their activities with groups in another Treaty nation; to the extent that these activities are known to NSF, they are included. Visits to U.S. Antarctic stations by non-governmental groups are described in Section XVI.

This document is intended primarily for use as a Web-based file, but can be printed using the PDF option. Its internal cross links and links to other sites present more information than in the print publications of past years. These links also are intended to facilitate easy use of the site.

## **Contents**

<b>Introduction</b>	<b>ii</b>	<b>NSF Representatives in Antarctica</b>	<b>10</b>
<b>Contents</b>	<b>iii</b>	<b>Officers in Charge of Bases</b>	<b>11</b>
<b>I. SHIPS AND AIRCRAFT</b>	<b>1</b>	McMurdo Station	11
<b>Ships</b>	<b>1</b>	Amundsen-Scott South Pole Station	11
<b>Aircraft</b>	<b>1</b>	Palmer Station	11
<b>II. EXPEDITION DATES</b>	<b>2</b>	<b>Numbers, Occupations and Specialization of Personnel</b>	<b>11</b>
<b>Significant Dates of Expeditions</b>	<b>2</b>	<b>Numbers of Personnel Who are Members of the Military Service</b>	<b>12</b>
<b>III. STATIONS</b>	<b>6</b>	<b>Personnel Engaged in Scientific Activities</b>	<b>12</b>
<b>Year Round Stations</b>	<b>6</b>	<b>V. ARMAMENTS</b>	<b>13</b>
McMurdo Station	6	<b>VI. PROJECT DESCRIPTIONS</b>	<b>14</b>
Amundsen-Scott South Pole Station	6	<b>VII. SCIENTIFIC EQUIPMENT</b>	<b>15</b>
Palmer Station	6	<b>VIII. TRANSPORTATION AND COMMS</b>	<b>19</b>
<b>Austral Summer Camps</b>	<b>7</b>	<b>Surface, Marine, and Air Transportation Vehicles</b>	<b>19</b>
Siple Dome Camp	7	McMurdo Station	19
Byrd Camp	7	Amundsen-Scott South Pole Station	19
Lake Hoare	7	<b>Description of Communications Facilities</b>	<b>20</b>
Lake Bonney Camp	7	McMurdo Station	20
Lake Fryxell	8	South Pole Station	20
F6 Camp	8	Palmer Station	20
Onset D	8	<b>Description of Airfields</b>	<b>20</b>
TAM Camp	8		
Reedy Glacier	8		
Odell Glacier	9		
Copacabana, King George Island	9		
Cape Shirreff Field Station,			
Livingston Island	9		
<b>IV. PERSONNEL</b>	<b>10</b>		
<b>Senior United States Representatives</b>	<b>10</b>		

<b>IX. ASSISTANCE FACILITIES</b>	<b>21</b>	<b>XII. PERMITS, SPECIES KILLED, CAPTURED</b>	<b>65</b>
McMurdo Station	21		
Other Stations	21	<b>XIII. RADIOACTIVE MATERIALS</b>	<b>67</b>
<b>X. TOURISM</b>	<b>22</b>	Add	67
Abercrombie & Kent International, Inc.	22	Delete	67
<i>M/S Explorer</i>	22		
Quark Expeditions	28	<b>XIV. RESEARCH ROCKETS</b>	<b>68</b>
<i>Professor Multanovskiy</i>	28		
<i>M/V Kapitan Khlebnikov</i>	35	<b>XV. OCEANOGRAPHY- GOVERNMENT</b>	<b>69</b>
<i>Kapitan Dranitsyn</i>	38	<i>R/V Nathaniel B. Palmer</i>	69
Orient Lines, Inc.	45	Biology & Medicine	71
<i>Marco Polo</i>	45	Oceans and Climate	71
Clipper Cruise Lines	48	Geology & Geophysics	71
<i>Clipper Adventurer</i>	49	<i>R/V Laurence M. Gould</i>	72
Lindblad Expeditions	56	Biology & Medicine	73
<i>M/S Endeavour</i>	56	Glaciology	74
Other	62	Ocean & Climate	74
SHIPBORNE	62	<i>R/V Yuzhmorgeologiya</i>	74
LANDBASED	62	<b>XVI. VISITING EXPEDITIONS</b>	<b>75</b>
<b>XI. REFUGES</b>	<b>63</b>	McMurdo Station	75
Tamseis Camp	63	Amundsen-Scott South Pole Station	75
Onset D Camp	63	Palmer Station	77
Siple Dome Camp	64		
Byrd Surface Camp	64		

# **I. Ships and Aircraft**

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*Section I of the Modifications of Activities Planned for 2001-2002 lists any changes to ship and aircraft usage planned for this time period.*

## **Ships**

The US Coast Guard Icebreaker *Polar Sea* arrived at the ice edge near McMurdo on January 05 to assist the *Polar Star* with ice clearing due to extremely heavy ice conditions in the Ross Island area.

## **Aircraft**

A USAF C-130 aircraft from 50<sup>th</sup> EA Squadron, Little Rock, Arkansas deployed to Christchurch, NZ to fly 11 turnaround missions between Christchurch and McMurdo Station. The use of this C-130 during December 01 and January 02 allowed the 109<sup>th</sup> AW LC-130's to remain on the continent.

A USAF C-17 aircraft ran (2) turnaround missions in February 02 to transport a backlog of cargo that was discharged from the *M/V Green Wave* in New Zealand.

## **II. Expedition Dates**

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*Section II of the Modifications of Activities Planned for  
2001-2002 lists the actual dates of significant events  
occurring  
during this time period.*

### **Significant Dates of Expeditions**

<u>Date</u>	<u>Activity</u>
01 Apr 01	NBP01-2 Late Cretaceous and Cenozoic reconstructions of the Southwest Pacific (Stock)
20 Apr 01	LMG01-4 Livingston Island Field Camp closing (Hall) and Southern Ocean Global Ocean Ecosystem Dynamics cruise (SO-GLOBEC) (Fraser, Hallam, Harvey, Torres, Vernet, Zhou,)
23 Apr 01	NBP01-3 SO-GLOBEC (Beardsley, Fanning, Hildebrand, Hofmann, Ribic, Vernet, Wiebe)
11 Jun 01	LMG01-5 Structure, Function and Expression of Tubulins, Globins, and Microtubule-Dependent Motors from Cold-Adapted Antarctic Fishes & Proteins of Oxygen-Binding & Energy Metabolism in Muscles of Antarctic Fishes (Detrich, Sidell)
21 Jul 01	NBP01-4 SO-GLOBEC (Beardsley, Fanning, Fritsen, Hallam, Hildebrand, Hofmann, Padman, Pwell, Ribic, Vernet, Wiebe, Zhou)
21 Jul 01	LMG01-6 SO-GLOBEC (Costa, Fraser, Fritsen, Harvey, Martinson, Ross)
20 Aug 01	First flight to McMurdo Station for Winfly operations (1 of 5)
1 Sep 01	LMG01-7 LMG Maintenance Period and Acoustic Doppler Current Profiler Sea Trials

<u>Date</u>	<u>Activity</u>
7 Sep 01	NBP01-5 Long-Term Ecological Research Project (Winter Cruise) (Fraser, Karl, Martinson, Quetin/Ross, Ray Smith, Vernet)
20 Sep 01	LMG01-8 Palmer Station support cruise #1
02 Oct 01	First C-141 mission to McMurdo Station during Ice Runway period (1 of 18); McMurdo Station commenced summer operations
03 Oct 01	First C-17 mission to McMurdo Station of the season (1 of 5)
7 Oct 01	LMG01-8A Penguin-Krill-Ice Interactions: The Impact of Environmental Variability on Penguin Demography at Copacabana Field Camp (Trivelpiece)
8 Oct 01	Lake Bonney field camp opens
08 Oct 01	Marble Point opens
11 Oct 01	Pieter J. Lenie Field Station (Copacabana) opens
11 Oct 01	Lake Hoare field camp opens
11 Oct 01	F6 field camp opens
12 Oct 01	Lake Fryxell field camp opens
19 Oct 01	Four (4) 109 <sup>th</sup> AW LC-130's arrive McMurdo Station to start on- continent missions
24 Oct 01	South Pole Station begins summer operations
25 Oct 01	Siple Dome field camp opens
27 Oct 01	LMG01-8B Palmer Station support cruise #2
01 Nov 01	Byrd Surface Camp opens
03 Nov 01	Onset D field camp opens
05 Nov 01	109 <sup>th</sup> AW brings a fifth LC-130 to McMurdo Station
05 Nov 01	Odell Glacier field camp opens
9 Nov 01	NBP01-6 Acquisition and Operation of Broadband Seismograph Equipment at Chilean Bases in the Antarctic Peninsula Region (Wiens); CORC-Arches (Visbeck); Open Cape Sherriff Field Camp
12 Nov 01	C-130 flights to McMurdo Station operated by Royal New Zealand Air Force began (1 of 15).
13 Nov 01	LMG Maintenance Period at Punta Arenas, Chile
14 Nov 01	Tamseis field camp opens

<u>Date</u>	<u>Activity</u>
15 Nov 01	Cape Sherriff field camp opens
16 Nov 01	Tamesis field camp opens
2 Dec 01	LMG01-9 Biogeography of the Antarctic Benthos (Scheltema) & Dynamics of Predator-Prey Behavior in the Antarctic Ocean & Dispersal of Planktonic Invertebrate Larvae (Veit)
5 Dec 01	NBP01-07 Global Climate Change and the Evolutionary Ecology of Antarctic Mollusks in the Late Eocene (Aronson) & Development of a Luminescence Dating Capability for Antarctic Glaciomarine Sediments: Tests of Signal Zeroing at the Antarctic Peninsula (Berger)
08 Dec 01	Transfer flight operations from Sea Ice Runway to Williams Field Skiway and Pegasus Blue Ice Runway
10 Dec 01	The first of 11 C-130 missions to McMurdo Station operated by the 50 <sup>th</sup> EA Squadron, Little Rock, Arkansas began.
19 Dec 01	Tamseis field camp closes
24 Dec 01	US Coast Guard Icebreaker <i>Polar Star</i> arrives at the ice edge
02 Jan 02	LMG02-1 Long-Term Study of the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER)(Fraser, Vernet, Martinson Quetin, Smith, Karl)
05 Jan 02	US Coast Guard Icebreaker <i>Polar Sea</i> arrives at the ice edge
10 Jan 02	Byrd Surface Camp closes
18 Jan 02	NBP02-1 Late Pleistocene to Holocene Glacial History of West Antarctica
22 Jan 02	Onset D field camp closes
22 Jan 02	<i>M/T Gus W. Darnell</i> (tanker) moored at McMurdo Station ice pier and commenced station refueling operations
26 Jan 02	Refueling operations completed; <i>M/T Gus W. Darnell</i> departs McMurdo Station
28 Jan 02	Siple Dome field camp closes
29 Jan 02	First C-141 mission to McMurdo Station for redeployment (1 of 13)
29 Jan 02	Odell Glacier camp closes
04 Feb 02	Lake Fryxell camp closes
02 Feb 02	<i>M/V Greenwave</i> arrives McMurdo Station ice pier, cargo offload operations commence

<u>Date</u>	<u>Activity</u>
5 Feb 02	Lake Hoare camp closes
06 Feb 02	LMG02-1A SO GLOBEC Mooring Cruise (PIs)
06 Feb 02	Marble Point closes
06 Feb 02	Lake Bonney field camp closes
10 Feb 02	<i>M/V Greenwave</i> departs McMurdo Station ice pier, cargo operations complete
10 Feb 02	US Coast Guard icebreaker <i>Polar Sea</i> departs the McMurdo area
13 Feb 02	US Coast Guard icebreaker <i>Polar Star</i> departs the McMurdo area
11 Feb 02	F6 camp closes
15 Feb 02	Winter Operation commence at South Pole Station
15 Feb 02	First C-17 mission to McMurdo Station for redeployment (1 of 2)
17 Feb 02	Final C-17 turnaround mission at McMurdo Station
19 Feb 02	Final C-141 turnaround mission at McMurdo Station
20 Feb 02	109th AW departs McMurdo Station
20 Feb 02	Cape Shirreff Field Camp closes
22 Feb 02	McMurdo Station commences winter-over operations
01 Mar 02	Pieter J. Lenie Field Station ("Copacabana") closes
05 Mar 02	NBP02-1A Open Period
07 Mar 02	LMG02-1B Palmer Station Shuttle & Mooring Recovery (Rob Dunbar)
10 Mar 02	NBP02-1B Seismic System Test Cruise
18 Mar 02	NBP02-1C Open Period Begins
22 Mar 02	LMG02-2 Palmer Station Shuttle

**Note:** LMG = *R/V Laurence M. Gould*  
NBP = *R/V Nathaniel B. Palmer*

## **III. Stations**

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*Section III of the Modifications of Activities Planned for 2001-2002 lists the names, locations, and actual opening dates of the Party's bases and subsidiary stations established in the Antarctic Treaty Area, and whether they are for summer and/or winter operations.*

### **Year Round Stations**

#### **McMurdo Station**

Location: Hut Point Peninsula on Ross Island in McMurdo Sound  
77° 55'S Latitude  
166° 39'E Longitude  
WINFLY: 21 August 2001

#### **Amundsen-Scott South Pole Station**

Location: 90° 00'S Latitude  
Annual Relief: 24 October 2001

#### **Palmer Station**

Location: Anvers Island near Bonaparte Point  
64° 46'S Latitude  
64° 05'W Longitude  
Annual Relief: 1 October 2001

## **Austral Summer Camps**

### **Siple Dome Camp**

Location: 81° 39'S Latitude  
149° 04'W Longitude

Open: 25 October 2001

Close: 30 January 2002

### **Byrd Camp**

Location: 80° 05'S Latitude  
119° 32'W Longitude

Open: 01 November 2001

Close: 12 January 2002

### **Lake Hoare**

Location: 76°38'S Latitude  
162°57'E Longitude

Open: 10 October 2001

Close: 05 February 2002

### **Lake Bonney Camp**

Location: 77°42'S Latitude  
162°27'E Longitude

Open: 08 October 2001

Close: 06 February 2002

**Lake Fryxell**

Location: 77°36'S Latitude  
163°07'E Longitude

Open: 12 October 2001

Close: 04 February 2002

**F6 Camp**

Location: 77°21'S Latitude  
163°9'E

Open: 11 October 2001

Close: 04 February 2002

**Onset D**

Location: 80°45'S/125.45'W

Open: 03 November 2001

Close: 22 January 2002

**TAM Camp**

Location: 81°41'S/144°26'E

Open: 16 November 2001

Close: 19 December 2001

**Reedy Glacier**

Location: 85°34'S/132°00W

Open: 05 December 2001

Close: 28 December 2001

**Odell Glacier**

Location: 76°43'S/159°54'E  
Open: 05 November 2001  
Close: 29 January 2002

**Copacabana, King George Island**

Location: 62° 10'S Latitude  
58° 28'W Longitude  
Open: 11 October 2001  
Close: 12 March 2002

**Cape Shirreff Field Station, Livingston Island**

Location: 62° 28'S Latitude  
60° 47'W Longitude  
Open: 14 November 2001  
Close: 10 March 2002

## IV. Personnel

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*Section IV of the Modifications of Activities Planned for 2001- 2002 lists actual dates senior management personnel were on-station in Antarctica during this time period. Appendix III of this document provides a comprehensive listing of all persons transiting the 60<sup>th</sup> South parallel, the date of transit, their professional affiliation, and visitor category.*

### Senior United States Representatives

DATES	NAME
02 Jan 02- 06 Jan 02, 15 Jan 02- 31 Jan 02	Erick Chiang
07 Jan 02 – 14 Jan 02	Karl A. Erb

### NSF Representatives in Antarctica

\* Denotes Science Representative

DATES	NAME	LOCATION
02 Oct 01 – 18 Dec 01	Dwight Fisher	McMurdo
18 Dec 01 – 12 Feb 02	Al Sutherland	McMurdo
26 Oct 01 – 11 Nov 01	Bernhard Lettau*	McMurdo
14 Nov 01 – 23 Dec 01	Scott G. Borg*	McMurdo
04 Jan 02- 01 Feb 02	Polly A. Penhale*	McMurdo
19 Nov 01 – 21 Nov 01	Frank W. Brier	South Pole
06 Nov 01 – 15 Feb 02	Jerry W. Marty	South Pole
13 Nov 01 – 19 Nov 01	Bernhard Lettau*	South Pole
6 Dec 01 – 5 Jan 02	Vladimir J. Lumelsky*	South Pole
20 Nov 01 – 3 Dec 01	Julie M. Palais*	South Pole

<b>DATES</b>	<b>NAME</b>	<b>LOCATION</b>
6 Dec 01 - 24 Dec 01	Deneb Karentz	Palmer Station
06 Jan 02 - 27 Feb 02	David Bresnahan	Palmer Station

## **Officers in Charge of Bases**

Station managers for the 2001-2002 season were:

### **McMurdo Station**

Foster Scott	23 August 01 –5 Feb 02
Bill Coughran (winter-over)	10 Oct 01–
Tom Vinson (winter-over)	5 Feb 02 –

### **Amundsen-Scott South Pole Station**

Gerald Macala (2001 winter-over)	17 Feb 01 – 23 Oct 01
Katherine Jensen, Station Manager	24 Oct 01 – 15 Feb 02
Katrin Hafner (2002 winter-over)	16 Feb 02 –

### **Palmer Station**

Robert Farrell	24 Mar 01 - 29 Apr 01
Pamela Hill (winter-over)	29 Apr 01 - 16 Oct 01
Robert Farrell	16 Oct 01 - 14 Mar 02
Joseph Pettit (winter-over)	14 Mar 02 -

## **Numbers, Occupations and Specialization of Personnel**

No Significant Changes

## **Numbers of Personnel Who Are Members of The Military Service**

No significant Changes

## **Personnel Engaged in Scientific Activities** (with professional affiliation)

Please see Appendix III

## **V. Armaments**

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*Section V of the Modifications of Activities Planned for 2001-2002 details changes in the number and type of armaments possessed by personnel at the main Antarctic stations and on research vessels.*

*No significant changes were noted during the reporting period at any station or on research vessels.*

## **VI. Project Descriptions**

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*No modifications of field research projects are presented here, but original plans and project descriptions are available in Appendix II of this document.*

## VII. Scientific Equipment

*Section VII lists additions and deletions to the principal scientific equipment available at McMurdo, South Pole, and Palmer stations and onboard USAP research vessels.*

### ADDITIONS

	<u>McMurdo</u>	<u>SPole</u>	<u>Palmer</u>	<u>LMG<sup>1</sup></u>	<u>NBP<sup>2</sup></u>	<u>AGO<sup>3</sup></u>
<b>Astrophysics Aeronomy</b>						
Chromatography, High performance, Liquid (HPLC)				X		
Dewar, Liquid Nitrogen Storage, 160 liter	X	X	X	X	X	
Filtration Apparatus, Membrane	X					
Ice Maker	X		X			
Time Domain Reflectometer					X	
Uninterrupted Power Supply (UPS)				X	X	
Water Chiller					X	
<b>Biology</b>						
Autoanalyzer	X					
Camera, Still, Underwater				X	X	
Camera, Video, for Microscopy			X			
Counter, Liquid Scintillation	X					
Ice Maker (Dry Ice)		X			X	
Incubator, Percival	X		X			
Sediment Trap	X					

	<u>McMurdo</u>	<u>SPole</u>	<u>Palmer</u>	<u>LMG</u> <sup>1</sup>	<u>NBP</u> <sup>2</sup>	<u>AGO</u> <sup>3</sup>
<b>Computers</b>						
<u>MacIntosh:</u>						
Computer, G3			X			
Computer, Desktop, Pentium	X					
<u>PCs</u>						
Computer, Portable, 586			X			
Computer, Server, 586			X			
<u>Workstation:</u>						
Sun SPARC 10			X			
<b>Geology/Geophysics</b>						
Echo sounder, Knudsen, Sub-bottom Profiler					X	
Petrographic Scope	X					
<b>Geomagnetism</b>						
Antennas, Dipole				X	X	
Gradiometer, Magnetic-towed					X	
<b>Oceanography/Limnology</b>						
Isotope Van			X			
Transmissometer			X		X	
PC O2 Instrument				X	X	
<b>Other</b>						
Handheld Global Positioning System					X	

1 = R/V Laurence M. Gould

2 = R/V Nathaniel B. Palmer

3 = AUTOMATED GEOPHYSICAL OBSERVATORY

**DELETIONS**

	<u>McMurdo</u>	<u>SPole</u>	<u>Palmer</u>	<u>LMG</u> <sup>1</sup>	<u>NBP</u> <sup>2</sup>	<u>AGO</u> <sup>3</sup>
<b>Astrophysics Aeronomy</b>						
Oscilloscope			X			X
Data Acquisition Unit (DAU)						X
Data Control Unit (DCU)						X
<b>Biology</b>						
Camera, still, underwater						X
Counter, Particle			X			
Electrocardiograph			X			
Freezer, Walk-in				X		
Oscilloscope			X			
Oxygen-Analyzing System			X			
<b>Geology/Geophysics</b>						
X-ray Instrument, Diffraction	X					
<b>Computers</b>						
<u>MacIntosh:</u>						
Computer, Desktop, IICI			X			
Computer, Portable, Powerbook, 170			X			
<u>PC:</u>						
Computer, Desktop, XT			X			
Computer, Desktop, 286			X			
Computer, Desktop, 386			X			
Computer, Portable, 386			X			
Computer, Server, 486			X			

<b>Oceanography/Limnology</b>						
Acoustic Release with Surface Command Unit			X			

1 = R/V *Laurence M. Gould*

2 = R/V *Nathaniel B. Palmer*

3 = AUTOMATED GEOPHYSICAL OBSERVATORY

## VIII. Transportation and Comms

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*Section VIII of Modifications of Activities Planned for 2001-2002 details additions and deletions to the number and type of transportation facilities, and changes to proposed projects that affect communications equipment used within the Antarctic Treaty area.*

### Surface, Marine, and Air Transportation Vehicles

#### McMurdo Station

##### **Delete**

Track Loaders	3
Personnel Carrier	7
Trucks, Pickup	5

##### **Add**

Front End Loaders	2
Personnel Carriers	16

#### Amundsen-Scott South Pole Station

##### **Add**

Tractor Crawler	2
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Van	1
Pick-up	1

## **Description of Communications Facilities**

### **McMurdo Station**

No significant changes are noted.

### **South Pole Station**

Tested Iridium data link.

### **Palmer Station**

The earth satellite installation will be completed in July 2002.

## **Description of Airfields**

No significant changes are noted.

## **IX. Assistance Facilities**

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*Section IX of the Modifications of Activities Planned for 2001-2002 details changes in the facilities available for rendering assistance in Antarctica including medical, transport services and emergency shelters.*

### **McMurdo Station**

One Physician Assistant remained at McMurdo station over winter instead of the two anticipated.

### **Other Stations**

No changes were noted at South Pole or Palmer stations.

## X. Tourism

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*Section X presents planned itineraries for U.S. based non-governmental activities in the Treaty area.*

### Abercrombie & Kent International, Inc.

Explorer Shipping Corporation and Abercrombie & Kent International, Inc. of Oak Brook, Illinois, conducted a total of eight cruises to the Antarctic Peninsula during the 2001-2002 season using the *M/S Explorer*. Given below, for each cruise, is the port of origin, sites visited (with dates) and the return port.

#### ***M/S Explorer***

##### ***Cruise EX- 131***

December 2002

63 PAX; 11 STAFF; 60 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		03 DEC 2001
Falkland Islands		04-05 DEC 2001
At sea		06 DEC 2001
Penguin Island	74	07 DEC 2001
Arctowski Station, King George Island (KGI)	79	07 DEC 2001
Half Moon Island	76	07 DEC 2001
Paradise Bay, Almirante Brown Station	76	08 DEC 2001
Damoy Point, Wiencke Island	74	09 DEC 2001
Goudier Island, Paradise Bay	82	09 DEC 2001
Enterprise Island	73*	09 DEC 2001
Hannah Point, Livingston Island	80	10 DEC 2001

Whalers Bay, Deception Island	73	10 DEC 2001
At sea		09-11 DEC 2001
Ushuaia, ARGENTINA		13 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 132**

December 2001

78 PAX; 12 STAFF; 60 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		13 DEC 2001
At sea		14 DEC 2001
Robert Point, Robert Island, South Shetlands	87	15 DEC 2001
Portal Point, Charlotte Bay	91	16 DEC 2001
Cuerverville Island	90	16 DEC 2001
Penola Strait	98	16 DEC 2001
Port Lockroy, Wiencke Island	90	17 DEC 2001
Telefon Bay, Deception Island	86	18 DEC 2001
Pendulum Cove, Deception Island	87	18 DEC 2001
Half Moon Island	90	18 DEC 2001
Gourdin Island	51*	19 DEC 2001
At sea		20 DEC 2001
Falkland Islands		21-22 DEC 2001
Port Stanley, FALKLAND ISLANDS		23 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 133**

December 2001/January 2002  
78 PAX; 11 STAFF; 61 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		23 DEC 2001
Falkland Islands		24-25 DEC 2001
At sea		26-27 DEC 2001
Portal Point, Charlotte Bay	91	28 DEC 2001
Cuverville Island	91	28 DEC 2001
Port Lockroy, Wiencke Island	94	29 DEC 2001
Whilemina Bay, Graham Land	73*	29 DEC 2001
Kinnes Cove, Joinville Island	90	30 DEC 2001
Hannah Point, Livingston Island	87	31 DEC 2001
Pendulum Cove, Deception Island	93	31 DEC 2001
Telefon Bay, Deception Island	88	31 DEC 2001
Half Moon Island	90	31 DEC 2001
At sea		01-03 JAN 2002
Ushuaia, ARGENTINA		04 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 201**

January 2002  
101 PAX; 14 STAFF; 60 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Punta Arenas, CHILE		08 JAN 2002
At sea		09-10 JAN 2002
Pendulum Cove, Deception Island	119	11 JAN 2002
Whalers Bay, Deception Island	117	11 JAN 2002
Hannah Point, Livingston Island	116	11 JAN 2002
Portal Point, Charlotte Bay	117	12 JAN 2002
Cuverville Island	117	12 JAN 2002
Damoy Point, Wiencke Island	115	13 JAN 2002

Port Lockroy, Wiencke Island	121	13 JAN 2002
Torgersen Island	108	13 JAN 2002
Palmer Station, Anvers Island	126	13 JAN 2002
Mikkelson Harbor, South Georgia	115	14 JAN 2002
Half Moon Island	115	15 JAN 2002
Arctowski Station, KGI	118	15 JAN 2002
Point Wild, Elephant Island	6/117*	16 JAN 2002
At sea		17 JAN 2002
Falkland Islands		18 JAN 2002
Port Stanley, Falkland Islands		19 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 202**

January/February 2002

73 PAX; 13 STAFF; 59 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		19 JAN 2002
Falkland Islands		20-21 JAN 2002
At sea		22 JAN 2002
South Georgia		23-26 JAN 2002
At sea		27 JAN 2002
Point Wild, Elephant Island	85*	28 JAN 2002
Cape Lookout, Elephant Island	80	28 JAN 2002
Bailey Head, Deception Island	82	29 JAN 2002
Whalers Bay, Deception Island	85	30 JAN 2002
Damoy Point, Wiencke Island	60	30 JAN 2002
Port Lockroy, Wiencke Island	85	30 JAN 2002
Petermann Island	81	30 JAN 2002
Almirante Brown Station, Paradise Bay	82	31 JAN 2002

Cuverville Island	88*	31 JAN 2002
At sea		01-02 FEB 2002
Ushuaia, ARGENTINA		03 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 203**

February 2002

85 PAX; 12 STAFF; 58 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		03 FEB 2002
At sea		04-05 FEB 2002
Cuverville Island	95	06 FEB 2002
Paradise Bay	96	06 FEB 2002
Palmer Station, Anvers Island	103	07 FEB 2002
Torgersen Island	46	07 FEB 2002
Pendulum Cove, Deception Island	88	08 FEB 2002
Whalers Bay, Deception Island	90	08 FEB 2002
Half Moon Island	87	08 FEB 2002
Devil Island	92	09 FEB 2002
View Point, Duse Bay, Trinity Peninsula	88	09 FEB 2002
Madder Cliffs, Joinville Island	67*	10 FEB 2002
Gourdin Island	5	10 FEB 2002
At sea		11-12 FEB 2002
Ushuaia, ARGENTINA		13 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 204**  
February 2002  
94 PAX; 11 STAFF; 59 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		13 FEB 2002
At sea		14 FEB 2002
Whalers Bay, Deception Island	104	15 FEB 2002
Pendulum Cove, Deception Island	98	15 FEB 2002
Half Moon Island	104	15 FEB 2002
Kinnes Cove, Joinville Island	104	16 FEB 2002
Devil Island	105	16 FEB 2002
Whisky Bay, James Ross Island	90	17 FEB 2002
Crystal Hill, Trinity Peninsula	108*	17 FEB 2002
Enterprise Island	102	18 FEB 2002
Cuverville Island	103	18 FEB 2002
Damoy Point, Wiencke Island	98	19 FEB 2002
Port Lockroy, Wiencke Island	108	19 FEB 2002
At sea		20-22 FEB 2002
Ushuaia, ARGENTINA		23 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EX- 205**  
February/March 2002  
80 PAX; 11 STAFF; 60 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		23 FEB 2002
At sea		24-25 FEB 2002
Damoy Point, Wiencke Island	75	26 FEB 2002
Port Lockroy, Wiencke Island	89	26 FEB 2002
Pleneau Island	81*	26 FEB 2002
Petermann Island	90	26 FEB 2002
Almirante Brown Station, KGI	89	27 FEB 2002

Cuverville Island	89	25 FEB 2002
Enterprise Island	75*	27 FEB 2002
Pendulum Cove, Deception Island	85	28 FEB 2002
Whalers Bay, Deception Island	92	28 FEB 2002
Half Moon Island	89	28 FEB 2002
Cape Valentine, Elephant Island	70*	01 MAR 2002
Point Wild, Elephant Island	92	01 MAR 2002
At sea		02-03 MAR 2002
South Georgia		04-07 MAR 2002
At sea		08 MAR 2002
Falkland Islands		09-10 MAR 2002
Port Stanley, FALKLAND ISLANDS		11 MAR 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

## Quark Expeditions

Quark Expeditions of Darien, Connecticut, conducted a total of 21 cruises to the Antarctic during 2001-2002 season using three chartered vessels. The *Professor Multanovskiy* and *Kapitan Dranitsyn* conducted 9 cruises each, and the *Kapitan Khlebnikov* conducted three. Given below for each cruise is the port of origin, sites visited (with dates) and the return port.

### ***Professor Multanovskiy***

#### ***Cruise MLT 121101***

November/December 2001

44 PAX; 6 STAFF; 26 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup>	<u>Dates</u>
Ushuaia, ARGENTINA		12 NOV 2001
At sea		13 NOV 2001
Falkland Islands		14-15 NOV 2001

At sea		16-17 NOV 2001
South Georgia		18- 23 NOV 2001
Paulet Island	53	24 NOV 2001
Whalers Bay, Deception Island	46	25 NOV 2001
Pendulum Cove, Deception Island	38	25 NOV 2001
Hannah Point, Livingston Island	48	25 NOV 2001
Paradise Bay	45	26 NOV 2001
Port Lockroy, Wiencke Island	48	26 NOV 2001
Jougla Point, Port Lockroy	52	26 NOV 2001
At sea		27-29 NOV 2001
Ushuaia, ARGENTINA		30 NOV 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 301101**

December 2001

43 PAX; 7 STAFF; 25 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		30 NOV 2001
At sea		01 DEC 2001
Falkland Islands		02-03 DEC 2001
South Georgia Island		04-09 DEC 2001
At sea		10-11 DEC 2001
Paulet Island	48	12 DEC 2001
Whalers Bay, Deception Island	44	13 DEC 2001
Pendulum Cove, Deception Island	3	13 DEC 2001
Skontorp Cove, Paradise Bay	47	14 DEC 2001
Suarez Glacier, Paradise Bay	44*	14 DEC 2001
Damoy Point, Wiencke Island	33	14 DEC 2001
Penola Strait	45*	15 DEC 2001
Neko Harbor, Advord Bay	40	15 DEC 2001
Port Lockroy, Wiencke Island	50	16 DEC 2001
Melchoir Islands	45*	16 DEC 2001

Alpha Island, Melchoir Islands	8	16 DEC 2001
At sea		17-18 DEC 2001
Ushuaia, ARGENTINA		19 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 191201**  
December 2001  
49 PAX; 3 STAFF; 26 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		19 DEC 2001
At sea		20 DEC 2001
Aitcho Island	54	21 DEC 2001
Paulet Island	54	22 DEC 2001
Brown Bluff, Tabarin Peninsula	49	22 DEC 2001
Half Moon Island	49	23 DEC 2001
Whalers Bay, Deception Island	54	23 DEC 2001
Pendulum Cove, Deception Island	37	23 DEC 2001
Damoy Point, Wiencke Island	48*	24 DEC 2001
Port Lockroy	53	24 DEC 2001
Pleneau Bay	5*	25 DEC 2001
Neko Harbor, Andvord Bay	54	25 DEC 2001
At sea		26-27 DEC 2001
Ushuaia, ARGENTINA		28 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 281201**  
December 2001/January 2002  
46 PAX; 4 STAFF; 28 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		28 DEC 2001
At sea		29 DEC 2001
Arctowski Station, KGI	54	30 DEC 2001
Mikkelsen Harbor, Trinity Island	51	31 DEC 2001
Cuverville Island	49	31 DEC 2001
Port Lockroy, Goudier Island	53	01 JAN 2002
Neko Harbor, Andvord Bay	50	02 JAN 2002
Portal Point, Charlotte Bay	49	02 JAN 2002
Telefon Bay, Deception Island	50	03 JAN 2002
Pendulum Cove, Deception Island	49	03 JAN 2002
Whalers Bay, Deception Island	50	03 JAN 2002
Half Moon Island	51	03 JAN 2002
At sea		04-05 JAN 2002
Ushuaia, ARGENTINA		06 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 060102**  
January 2002  
43 PAX; 6 CREW; 26 STAFF

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		06 JAN 2002
At sea		07 JAN 2002
Falkland Islands		08-09 JAN 2002
At sea		10-11 JAN 2002
South Georgia		12-16 JAN 2002
At sea		17-18 JAN 2002
Point Wild, Elephant Island	30*	19 JAN 2002

Penguin Island	51	20 JAN 2002
Pendulum Cove, Deception Island	33	20 JAN 2002
Port Lockroy, Goudier Island	52	21 JAN 2002
Gonzalez Videla Station	50	22 JAN 2002
Neko Harbor, Andvord Bay	52	22 JAN 2002
At sea		23-24 JAN 2002
Ushuaia, ARGENTINA		25 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 250102**  
January/February 2002  
48 PAX; 6 STAFF; 25 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		25 JAN 2002
At sea		26 JAN 2002
Penguin Island	57	27 JAN 2002
Hope Bay	54	28 JAN 2002
Paulet Island	55	28 JAN 2002
Whalers Bay, Deception Island	55	29 JAN 2002
Pendulum Cove, Deception Island	42	29 JAN 2002
Hannah Point, Livingston Island	57	29 JAN 2002
Neko Harbor, Andvord Bay	56	30 JAN 2002
Port Lockroy, Goudier Island	53	30 JAN 2002
Jougla Point, Port Lockroy	33	30 JAN 2002
Pleneau Bay	54*	31 JAN 2002
Petermann Island	45	31 JAN 2002
Skontorp Cove, Paradise Bay	52*	01 FEB 2002

Almirante Brown Station	50	01 FEB 2002
At sea		02-03 FEB 2002
Ushuaia, ARGENTINA		04 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 040202**  
February 2002  
49 PAX; 6 STAFF; 25 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		04 FEB 2002
At sea		05 FEB 2002
Bellingshausen Station	59	06 FEB 2002
Brown Bluff, Tabarin Peninsula	55	07 FEB 2002
Paulet Island	55	07 FEB 2002
Half Moon Island	54	08 FEB 2002
Whalers Bay, Deception Island	50	08 FEB 2002
Pendulum Cove, Deception Island	54	08 FEB 2002
Skontorp Cove, Paradise Bay	50*	09 FEB 2002
Almirante Brown Station	41	09 FEB 2002
Port Lockroy, Goudier Island	53	09 FEB 2002
Jougla Point, Port Lockroy	40	09 FEB 2002
Palmer Station, Anvers Island	58	10 FEB 2002
Pleneau Bay	42*	10 FEB 2002
Cuerverville Island	45	11 FEB 2002
At sea		12-13 FEB 2002
Ushuaia, ARGENTINA		14 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 140202**  
February 2002  
45 PAX; 8 STAFF; 24 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		14 FEB 2002
At sea		15-16 FEB 2002
Port Lockroy, Goudier Island	56	17 FEB 2002
Damoy Point, Wiencke Island	56	17 FEB 2002
Palmer Station, Anvers Island	56	18 FEB 2002
Lemaire Channel	41*	18 FEB 2002
Skontorp Cove, Paradise Bay	56	19 FEB 2002
Neko Harbor	56	19 FEB 2002
Pendulum Cove, Deception Island	56	20 FEB 2002
Whalers Bay, Deception Island	56	20 FEB 2002
Baily Head, Deception Island	56	20 FEB 2002
At sea		21-22 FEB 2002
Ushuaia, ARGENTINA		23 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MLT 230202**  
February/March 2002  
49 PAX; 6 STAFF; 25 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		23 FEB 2002
At sea		24-25 FEB 2002
Vernadskiy Station, Argentine Island	57	26 FEB 2002
Petermann Island	55	26 FEB 2002
Pleneau Bay	53*	26 FEB 2002
Port Lockroy, Goudier Island	54	27 FEB 2002
Skontorp Cove, Paradise Bay	54	27 FEB 2002
Whalers Bay, Deception Island	55	28 FEB 2002

Pendulum Cove, Deception Island	40	28 FEB 2002
Hannah Point, Livingston Island	54	28 FEB 2002
Brown Bluff, Tabarin Peninsula	54	01 MAR 2002
Snow Hill Island	54	01 MAR 2002
Paulet Island	51	02 MAR 2002
Elephant Island	39	03 MAR 2002
At sea		04 MAR 2002
South Orkney Islands		05-07 MAR 2002
South Georgia		08-11 MAR 2002
At sea		12-13 MAR 2002
Ushuaia, ARGENTINA		14 MAR 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

### ***M/V Kapitan Khlebnikov***

#### ***Cruise KLB #251101***

December 2001

90 PAX; 16 STAFF; 66 CREW

<b><u>Ports</u></b>	<b><u># PAX<sup>1</sup> Landed</u></b>	<b><u>Dates</u></b>
Hobart, Tasmania, AUSTRALIA		25 NOV 2001
At sea		26-27 NOV 2001
Buckles Bay, Macquarie Island	88	28 NOV 2001
Sandy Bay, Macquarie Island	107	29 NOV 2001
At sea		30 NOV – 03 DEC 2001
Cape Washington, Victoria Land	112+	04 DEC 2001
Cape Washington, Victoria Land	89+	05 DEC 2001
Drygalski Ice Tongue	114+♣	05 DEC 2001
At sea		06 DEC 2001
Coulman Island	104+♣	07 DEC 2001
Cape Hallett	103+♣	08 DEC 2001
Cape Roget	92*	08 DEC 2001

Cape Adare	95+	09 DEC 2001
At sea		10-14 DEC 2001
Campbell Island	88	15 DEC 2001
Enderby Island	103	16 DEC 2001
At sea		17-18 DEC 2001
Hobart, Tasmania, AUSTRALIA		19 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice-walking

**Cruise KLB 271201**  
December 2001/January 2002  
70 PAX; 12 STAFF; 66 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Hobart, Tasmania, AUSTRALIA		27 DEC 2001
At sea		28-29 DEC 2001
Buckles Bay, Macquarie Island	79	30 DEC 2001
Sandy Bay, Macquarie Island	82	30 DEC 2001
At sea		31 DEC – 02 JAN 2002
Cape Adare	82	03 JAN 2002
At sea		04-05 JAN 2002
Cape Royds and Cape Evans	86#	06 JAN 2002
Taylor Dry Valley	82#	07 JAN 2002
McMurdo Station and Scott Base	87#	08 JAN 2002
Franklin Island	74*	09 JAN 2002
Terra Nova Bay Station	85	10 JAN 2002
Campbell Glacier	72*	10 JAN 2002
Cape Hallett	75♣+	11 JAN 2002
Cape Hallett	86	12 JAN 2002
At sea		13-15 JAN 2002
Campbell Island		16 JAN 2002
Enderby Island		17 JAN 2002

Snares Island	18 JAN 2002
At sea	19 JAN 2002
Lyttleton, NEW ZEALAND	20 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise KLB 200102**  
January/February 2002  
57 PAX; 13 STAFF; 66 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Lyttleton, NEW ZEALAND		20 JAN 2002
At sea		21 JAN 2002
Enderby Island	64	22 JAN 2002
Campbell Island	63	23 JAN 2002
At sea		24-26 JAN 2002
Cape Hallett	61#	27 JAN 2002
Campbell Glacier	59*	28 JAN 2001
Terra Nova Bay Station	63	28 JAN 2002
Inexpressible Island	64	28 JAN 2002
Drygalski Ice Tongue	65♣+	29 JAN 2002
Franklin Island	67	29 JAN 2002
Taylor Dry Valley	67#	30 JAN 2002
Cape Royds and Cape Evans	65#	30 JAN 2002
McMurdo Station and Scott Base	69#	31 JAN 2002
Ironside Glacier	67♣	01 FEB 2002
Cape Adare	64	02 FEB 2002
Leningradskaya Station	94#	03 FEB 2002
At sea		04-06 FEB 2002
Buckles Bay, Macquarie Island	70	07 FEB 2002
Sandy Bay, Macquarie Island	61	07 FEB 2002

Lusitania Bay, Macquarie Island	54	08 FEB 2002
At sea		09-11 FEB 2002
Hobart, Tasmania, AUSTRALIA		12 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ✚ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

### ***Kapitan Dranitsyn***

***Cruise DRA – 101101***  
November/December 2001  
76 PAX; 10 STAFF; 84 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		10 NOV 2001
At sea		11-12 NOV 2001
South Georgia		13-18 NOV 2001
At sea		19-20 NOV 2001
Weddell Sea	78✚	21 NOV 2001
At sea		22 NOV 2001
Atka Iceport	88	23 NOV 2001
Neumayer Station	43#	23 NOV 2001
Atka Iceport Rookery	93#	24 NOV 2001
Neumayer Station	48#	24 NOV 2001
Atka Iceport Rookery	148#	25 NOV 2001
At sea		26 NOV –02 DEC 2001
Half Moon Island	87	03 DEC 2001

Whalers Bay, Deception Island	90	03 DEC 2001
At sea		04-05 DEC 2001
Ushuaia, ARGENTINA		06 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ✚ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA – 061201**  
December 2001  
58 PAX; 10 STAFF; 82 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		06 DEC 2001
At sea		07 DEC 2001
Half Moon Island	71	08 DEC 2001
Whaler Bay, Deception Island	70	09 DEC 2001
Telefon Bay, Deception Island	71	09 DEC 2001
Neko Harbor, Andvord Bay	74	10 DEC 2001
Paradise Bay	59✚	10 DEC 2001
Almirante Brown Station	75	10 DEC 2001
Port Lockroy, Goudier Island	69	11 DEC 2001
Portal Point, Charlotte Bay	70	12 DEC 2001
Mikkelsen Harbor, Trinity Island	70	12 DEC 2001
At sea		13-16 DEC 2001
Ushuaia, ARGENTINA		17 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ✚ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA – 171201**  
December 2001  
92 PAX; 11 STAFF; 78 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		17 DEC 2001
At sea		18-19 DEC 2001
Snow Hill Island	103	20 DEC 2001
Paulet Island	106	20 DEC 2001
Duse Bay, Trinity Peninsula	95♣	21 DEC 2001
Whalers Bay, Deception Island	104	22 DEC 2001
Hannah Point, Livingston Island	96	23 DEC 2001
Paradise Bay	98*	24 DEC 2001
Goudier Island, Port Lockroy	111	24 DEC 2001
Jougla Point, Port Lockroy	100	24 DEC 2001
Neko Harbor, Andvord Bay	106	24 DEC 2001
Petermann Island	89+	25 DEC 2001
Vernadsky Station	98	25 DEC 2001
Almirante Brown Station	99	25 DEC 2001
At sea		26-27 DEC 2001
Ushuaia, ARGENTINA		28 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA – 281201**  
December 200/January 2002  
97 PAX; 13 STAFF; 78 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		28 DEC 2001
At sea		29 DEC 2001
Falkland Islands		30-31 DEC 2001
At sea		01-02 JAN 2002

South Georgia Islands		03-05 JAN 2002
At sea		06-07 JAN 2002
Paulet Island	97	08 JAN 2002
Dundee Island	7	09 JAN 2002
Fridtjof Sound, Tabarin Peninsula	96♣	09 JAN 2002
Brown Bluff, Tabarin Peninsula	104	09 JAN 2002
Hannah Point, Livingston Island	89	10 JAN 2002
Baily Head, Deception Island	79	10 JAN 2002
Pendulum Cove, Deception Island	79	10 JAN 2002
Almirante Brown Station	113	11 JAN 2002
Suarez Glacier, Paradise Bay	107	11 JAN 2002
Jougla Point, Port Lockroy	100	11 JAN 2002
Penola Strait	101♣	12 JAN 2002
Vernadsky Station	111	12 JAN 2002
At sea		13-14 JAN 2002
Ushuaia, ARGENTINA		15 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

***Cruise DRA – 150102***  
January 2002  
97 PAX; 09 STAFF; 82 CREW

<u>Ports</u>	<u># PAX<sup>1</sup></u> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		15 JAN 2002
At sea		16-17 JAN 2002
Brown Bluff, Tabarin Peninsula	103	18 JAN 2002
Paulet Island	87	18 JAN 2002
Devil Island	93	19 JAN 2002
Pendulum Cove, Deception Island	64	20 JAN 2002
Whalers Bay, Deception Island	81	20 JAN 2002
Danco Island	101	21 JAN 2002
Neko Harbor, Andvord Bay	104	21 JAN 2002

Port Lockroy, Goudier Island	104	22 JAN 2002
Jouglu Point, Port Lockroy	103	22 JAN 2002
Lemaire Channel	99♣	23 JAN 2002
At sea		24-25 JAN 2002
Ushuaia, ARGENTINA		26 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA – 260102**  
January/February 2002  
28 PAX; 11 STAFF; 80 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		26 JAN 2002
At sea		27 JAN 2002
Cape Lookout, Elephant Island	37	28 JAN 2002
Point Wild, Elephant Island	29*	28 JAN 2002
Hannah Point, Livingston Island	37	29 JAN 2002
Walker Bay, Livingston Island	28♣	29 JAN 2002
Whalers Bay, Deception Island	35	29 JAN 2002
Palmer Station, Anvers Island	47	30 JAN 2002
Torgersen Island	22	30 JAN 2002
Port Lockroy, Goudier Island	33	31 JAN 2002
Jouglu Point, Port Lockroy	25	31 JAN 2002
Neko Harbor, Andvord Bay	36	01 FEB 2002
At sea		02-03 FEB 2002
Ushuaia, ARGENTINA		04 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA – 050202**  
February 2002  
67 PAX; 09 STAFF; 81 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		05 FEB 2002
At sea		06-07 FEB 2002
Paradise Bay	72	08 FEB 2002
Neko Harbor, Andvord Bay	70	08 FEB 2002
Grandidier Channel	67♣, 60+	09 FEB 2002
Pleneau Island	76*	10 FEB 2002
Cuerverville Island	76	10 FEB 2002
At sea		11-12 FEB 2002
Ushuaia, ARGENTINA		13 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA - 130202**  
February 2002  
100 PAX; 08 STAFF; 75 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		13 FEB 2002
At sea		14 FEB 2002
Aitcho Islands	94	15 FEB 2002
Hannah Point, Livingston Island	98	16 FEB 2002
Cuerverville Island	108	17 FEB 2002
Port Lockroy, Gourdier Island	93	17 FEB 2002
Jougla Point, Port Lockroy	80	17 FEB 2002
Argentine Islands	84	18 FEB 2002
At sea		19 FEB 2002
Stonington Island	114#	20 FEB 2002
At sea		21-22 FEB 2002

Almirante Brown Station	100	23 FEB 2002
At sea		24-25 FEB 2002
Ushuaia, ARGENTINA		26 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed; \* = zodiac  
cruising only; # = helo landing; ♣ = helo flight-seeing;  
♦ = scuba diving; % = snorkeling; + = ice walking

**Cruise DRA - 260202**  
February/March 2002  
90 PAX; 09 STAFF; 83 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		26 FEB 2002
At sea		27 FEB 2002
Aitcho Islands	108	28 FEB 2002
Neko Harbor, Andvord Bay	101	01 MAR 2002
Penola Strait	179+♣	02 MAR 2002
Petermann Island	105	02 MAR 2002
Whalers Bay Deception Island	100	03 MAR 2002
Pendulum Cove, Deception Island	107	03 MAR 2002
At sea		04-05 MAR 2002
Falkland Islands		06-07 MAR 2002
At sea		08 MAR 2002
Ushuaia, ARGENTINA		09 MAR 2002

<sup>1</sup> = Includes passengers, staff and crew landed  
\* = zodiac cruising only

## Orient Lines, Inc.

Orient Lines, Inc. of Fort Lauderdale, Florida, conducted six cruises to the Antarctic during the 2001-2002 season using the *Marco Polo*. Given below for each cruise is the port of origin, sites visited (with dates) and the return port.

### **Marco Polo**

#### **Cruise MPO-011230**

December 2001/January 2002

515 PAX; 16 STAFF; 360 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Buenos Aires, ARGENTINA		30 DEC 2001
At sea		31 DEC 2001 – 02 JAN 2002
Falkland Islands		03-04 JAN 2002
At sea		05 JAN 2002
Pendulum Cove, Deception Island	554	06 JAN 2002
Jougla Point, Port Lockroy	487*	07 JAN 2002
Jougla Point, Port Lockroy	59*	08 JAN 2002
Waterboat Point, Graham Land	588	08 JAN 2002
Half Moon Island	558	09 JAN 2002
At sea		10-11 JAN 2002
Ushuaia, ARGENTINA		12 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MPO-000111**

January 2002

528 PAX; 17 STAFF; 345 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		12 JAN 2002
At sea		13 JAN 2002
Cuverville Island	398*	14 JAN 2002
Jougla Point, Port Lockroy, Wiencke Island	482	15 JAN 2002
Waterboat Point, Graham Land	469	16 JAN 2002
Half Moon Island	443	17 JAN 2002
At sea		18-19 JAN 2002
Ushuaia, ARGENTINA		20 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MPO-020120**

January 2002

427 PAX; 15 STAFF; 361 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		20 JAN 2002
At sea		21 JAN 2002
Pendulum Cove, Deception Island	470	22 JAN 2002
Jougla Point, Port Lockroy	477	23 JAN 2002
Jougla Point, Port Lockroy	38	24 JAN 2002
Waterboat Point, Graham Land	477	24 JAN 2002
Half Moon Island	437	25 JAN 2002
At sea		26-27 JAN 2002
Ushuaia, ARGENTINA		28 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MPO-020128**  
January/February 2002  
433 PAX; 16 STAFF; 358 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		28 JAN 2002
At sea		29 JAN 2002
Pendulum Cove, Deception Island	492	30 JAN 2002
Jougla Point, Port Lockroy	483	31 JAN 2002
Waterboat Point, Graham Land	551	01 FEB 2002
Half Moon Island	456	02 FEB 2002
At sea		03-04 FEB 2002
Ushuaia, ARGENTINA		05 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MPO-020205**  
February 2002  
548 PAX; 16 STAFF; 353 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		05 FEB 2002
At sea		06 FEB 2002
Pendulum Cove, Deception Island	585	07 FEB 2002
Jougla Point, Port Lockroy, Wiencke Island	529*	08 FEB 2002
Goudier Island, Port Lockroy	14	08 FEB 2002
Waterboat Point, Graham Land	602	09 FEB 2002
Half Moon Island	585	09 FEB 2002
At sea		10-12 FEB 2002
Ushuaia, ARGENTINA		13 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise MPO-020213**  
February 2002  
547 PAX; 15 STAFF; 361 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		13 FEB 2002
At sea		14 FEB 2002
Pendulum Cove, Deception Island	584	15 FEB 2002
Jougla Point, Port Lockroy, Wiencke Island	507*	16 FEB 2002
Waterboat Point, Graham Land	598	17 FEB 2002
Ardley Island	456*	18 FEB 2002
At sea		19-21 FEB 2002
Cruising Chilean fjords		22-23 FEB 2002
Puerto Montt, Chile		24 FEB 2002
At sea		25 FEB 2002
Valparaiso, CHILE		26 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

## **Clipper Cruise Lines**

Clipper Cruise Lines, of St. Louis, Missouri, conducted nine cruises to the Antarctic during the 2001-2002 season using the *Clipper Adventurer*. Given below for each cruise is the port of origin, sites visited (with dates) and the return port.

***Clipper Adventurer***

**Cruise CA 13031**  
November 2001  
64 PAX; 9 STAFF; 72 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		08 NOV 2001
At sea		09 NOV 2001
Aitcho Islands	74	10 NOV 2001
Half Moon Island	69	10 NOV 2001
Neko Harbor	63	11 NOV 2001
Jouglu Point, Port Lockroy	86	11 NOV 2001
Paradise Bay	56*	12 NOV 2001
Whalers Bay, Deception Island	66	13 NOV 2001
Pendulum Cove, Deception Island	74	13 NOV 2001
Hannah Point, Livingston Island	66	13 NOV 2001
Paulet Island	64	14 NOV 2001
Esperanza Station	62	14 NOV 2001
At sea		15-16 NOV 2001
Elephant Island		17 NOV 2001
At Sea		18 NOV 2001
Port Stanley, FALKLAND ISLANDS		19 NOV 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 13032**

November 2001  
59 PAX; 9 STAFF; 71 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		19 NOV 2001
At sea		20-22 NOV 2001
Penguin Island	69	23 NOV 2001
Half Moon Island	63	23 NOV 2001
Paulet Island	65	24 NOV 2001
Hope Bay	63	24 NOV 2001
Hannah Point, Livingston Island	70	25 NOV 2001
Whalers Bay, Deception Island	61	25 NOV 2001
Pendulum Cove, Deception Island	45	25 NOV 2001
Neko Harbor	66	26 NOV 2001
Paradise Bay	62*	26 NOV 2001
At sea		27-29 NOV 2001
Ushuaia, ARGENTINA		30 NOV 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 03034**

November/December 2001  
114 PAX; 9 STAFF; 71 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		30 NOV 2001
At sea		01 DEC 2001
Aitcho Island	123	02 DEC 2001
Yankee Harbor	112	02 DEC 2001
Whalers Bay, Deception Island	111	03 DEC 2001
Pendulum Cove, Deception Island	62	03 DEC 2001
Neko Harbor	115	04 DEC 2001

Goudier Island, Port Lockroy	109	04 DEC 2001
Waterboat Point	120	05 DEC 2001
Paradise Bay	117*	05 DEC 2001
Paulet Island	123	06 DEC 2001
Point Wild	118*	07 DEC 2001
Shingle Cove	113	08 DEC 2001
At sea		09-10 DEC 2001
South Georgia Islands		11-14 DEC 2001
At sea		15-16 DEC 2001
Port Stanley, FALKLAND ISLANDS		17 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 13034**

December 2001

103 PAX; 9 STAFF; 101 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		17 DEC 2001
At sea		18-19 DEC 2001
South Georgia		19 DEC 2001
At sea		20 DEC 2001
Cape Lookout	22*	21 DEC 2001
Devil Island	111	22 DEC 2001
Paulet Island	111	22 DEC 2001
Whalers Bay, Deception Island	101	23 DEC 2001
Pendulum Cove, Deception Island	92	23 DEC 2001
Half Moon Island	96	23 DEC 2001
Paradise Harbor	102*	24 DEC 2001
Goudier Island, Port Lockroy	101	24 DEC 2001
Pleneau Island	96*	25 DEC 2001

Neko Harbor	107	25 DEC 2001
At sea		26-27 DEC 2001
Ushuaia, ARGENTINA		28 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise AFSG0102**

December 2001/January 2002

107 PAX; 11 STAFF; 72 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		28 DEC 2001
At sea		29-30 DEC 2001
Pleneau Island	115	31 DEC 2001
Goudier Island, Port Lockroy	107	01 JAN 2002
Neko Harbor	109	01 JAN 2002
Whalers Bay, Deception Island	113	02 JAN 2002
Pendulum Cove, Deception Island	107	02 JAN 2002
Hannah Point, Livingston Island	106	02 JAN 2002
Paulet Island	94	03 JAN 2002
Brown Bluff	111	03 JAN 2002
Point Wild	109*	04 JAN 2002
At sea		5-6 JAN 2002
Falkland Island		07 JAN 2002
Port Stanley, FALKLAND ISLANDS		08 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise AFSG 0102** (Sub-chartered by Zegrahm Expeditions of Seattle,  
Washington, U.S.A.)  
January 2002  
106 PAX; 14 STAFF; 71 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		08 JAN 2002
At sea		09-10 JAN 2002
South Georgia		11-14 JAN 2002
At sea		15 JAN 2002
Single Cove	110	16 JAN 2002
Gibbon Bay	121*	16 JAN 2002
Point Wild	77*	17 JAN 2002
Paulet Island	120	18 JAN 2002
Brown Bluff, Tabarin Peninsula	121	18 JAN 2002
Bailey Head, Deception Island	111	19 JAN 2002
Pendulum Cove	105	19 JAN 2002
Half Moon Island	112	19 JAN 2002
Neko Harbor	119	20 JAN 2002
Goudier Island, Port Lockroy	116	20 JAN 2002
Jougla Point, Port Lockroy	104	20 JAN 2002
Enterprise Island	109*	21 JAN 2002
Cierva Cove	99*	21 JAN 2002
Palmer Station	126	22 JAN 2002
Torgersen Island	114	22 JAN 2002
Damoy Point, Wiencke Island	104	22 JAN 2002
At sea		23-24 JAN 2002
Ushuaia, ARGENTINA		25 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 23002**  
January/February 2002  
114 PAX; 10 STAFF; 71 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		25 JAN 2002
At sea		26 JAN 2002
Aitcho Island	121	27 JAN 2002
Enterprise Island	123*	28 JAN 2002
Neko Harbor	125	28 JAN 2002
Jouglan Point, Port Lockroy	120	29 JAN 2002
Goudier Island, Port Lockroy	120	29 JAN 2002
Pleneau Island	113*	29 JAN 2002
Cuerverville Island	115	30 JAN 2002
Waterboat Point	124	30 JAN 2002
Whalers Bay, Deception Island	112	31 JAN 2002
Pendulum Cove, Deception Island	101	31 JAN 2002
Hannah Point, Livingston Island	116	31 JAN 2002
Paulet Island	124	01 FEB 2002
Hope Bay	118	01 FEB 2002
At sea		02-04 FEB 2002
Port Stanley, FALKLAND ISLANDS		05 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 23003**  
February 2002  
88 PAX; 10 STAFF; 71 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		05 FEB 2002
At sea		06-08 FEB 2002
Penguin Island	97	09 FEB 2002
Arctowski Station	97	09 FEB 2002

Neko Harbor	95	10 FEB 2002
Goudier Island, Port Lockroy	91	10 FEB 2002
Jougla Point, Port Lockroy	91	10 FEB 2002
Wilhelmina Bay	93	11 FEB 2002
Petermann Island	74	12 FEB 2002
Whalers Bay, Deception Island	86	12 FEB 2002
Pendulum Cove, Deception Island	86	12 FEB 2002
Waterboat Point	91	12 FEB 2002
Aitcho Islands	86	13 FEB 2002
At sea		14-15 FEB 2002
Ushuaia, ARGENTINA		16 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise CA 23004**

February 2002

95 PAX; 10 STAFF; 71 CREW

<u>Ports</u>	<u># PAX<sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		16 FEB 2002
At sea		17 FEB 2002
Aitcho Islands	104	18 FEB 2002
Paulet Island	95	19 FEB 2002
Devil Island	100	19 FEB 2002
Bailey Head, Deception Island	3	20 FEB 2002
Whalers Bay, Deception Island	94	20 FEB 2002
Pendulum Cove, Deception Island	94	20 FEB 2002
Hannah Point, Livingston Island	91	20 FEB 2002
Aitcho Islands	82	21 FEB 2002
Lemaire Channel	99*	21 FEB 2002
Waterboat Point	76	21 FEB 2002
Jougla Point, Port Lockroy	102	22 FEB 2002
Goudier Island, Port Lockroy	102	22 FEB 2002
Neko Harbor	104	22 FEB 2002

Half Moon Island	88	23 FEB 2002
Yankee Harbor	82	23 FEB 2002
At sea		24-25 FEB 2002
Falkland Islands		26 FEB 2002
Port Stanley, FALKLAND ISLANDS		27 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

## Lindblad Expeditions

Lindblad Expeditions, Inc. of New York City, New York, conducted seven cruises to the Antarctic during the 2001-2002 season, using the *M/S Endeavor* (formerly named the *M/V Caledonian Star*). Given below for each cruise is the port of origin, sites visited (with dates) and the return port.

### ***M/S Endeavour***

#### ***Cruise EN-4130***

December 2001

106 PAX; 11 STAFF; 64 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Port Stanley, FALKLAND ISLANDS		08 DEC 2001
Elephant Island	105*	09 DEC 2001
Snow Hill Island	114	10 DEC 2001
Vega Island	72	11 DEC 2001
Paulet Island	116	11 DEC 2001
Brown Bluff, Tabarin Peninsula	109	11 DEC 2001
Aitcho Island	107	12 DEC 2001
Whalers Bay, Deception Island	116	12 DEC 2001
Cuerverville Island	107	13 DEC 2001
Danco Island	105	14 DEC 2001

Port Lockroy, Wiencke Island	120	15 DEC 2001
Jougla Point, Port Lockroy, Wiencke Island	96	15 DEC 2001
At sea		16-17 DEC 2001
Ushuaia, ARGENTINA		18 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EN-4131**

December 2001

102 PAX; 10 STAFF; 66 CREW

<u>Ports</u>	<u># PAX <sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		18 DEC 2001
At sea		19 DEC 2001
Aitcho Island	110	20 DEC 2001
Nelson Island	3	20 DEC 2001
Paulet Island	108	21 DEC 2001
Snow Hill Island	108	21 DEC 2001
Bald Head Point, Trinity Peninsula	104	22 DEC 2001
Brown Bluff, Tabarin Peninsula	109	22 DEC 2001
Hydrurga Rocks	80	23 DEC 2001
Cuerverville Island	77	24 DEC 2001
Booth Island	73	24 DEC 2001
Port Lockroy, Wiencke Island	115	25 DEC 2001
Jougla Point, Port Lockroy, Wiencke Island	93	25 DEC 2001
Whalers Bay, Deception Island	107	26 DEC 2001
Bailey Head, Deception Island	71	26 DEC 2001
Robert Island	74	26 DEC 2001
At sea		27-28 DEC 2001
Ushuaia, ARGENTINA		29 DEC 2001

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EN-4132**

December 2001/January 2002  
88 PAX; 11 STAFF; 67 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		29 DEC 2001
At sea		30 DEC 2001
Aitcho Island	98	31 DEC 2001
Bald Head Point, Trinity Peninsula	96	01 JAN 2002
Snow Hill Island	98	02 JAN 2002
Devil Island	96	02 JAN 2002
Brown Bluff, Tabarin Peninsula	96	03 JAN 2002
Hydrurga Rocks	70	03 JAN 2002
Cuerverville Island	82	04 JAN 2002
Pleneau Island	80	04 JAN 2002
Port Lockroy, Wiencke Island	87	05 JAN 2002
Jougla Point, Port Lockroy, Wiencke Island	68	05 JAN 2002
Whalers Bay, Deception Island	96	06 JAN 2002
Telefon Bay, Deception Island	89	06 JAN 2002
Robert Island	89	06 JAN 2002
At sea		07-08 JAN 2002
Ushuaia, ARGENTINA		09 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EN-4201**

January 2002  
94 PAX; 11 STAFF; 66 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		09 JAN 2002
At sea		10 JAN 2002
Aitcho Island	105	11 JAN 2002
Devil Island	105	12 JAN 2002

Persson Island	104	12 JAN 2002
Snow Hill Island	106	13 JAN 2002
Brown Bluff, Tabarin Peninsula	107	13 JAN 2002
Cuverville Island	98	14 JAN 2002
Pleneau Island	102	15 JAN 2002
Booth Island	103	15 JAN 2002
Goudier Island, Port Lockroy	107	16 JAN 2002
Jougla Point, Port Lockroy, Wiencke Island	54	16 JAN 2002
Palmer Station, Anvers Island	113	16 JAN 2002
Torgersen Island	51	16 JAN 2002
Bailey Head, Deception Island	100	17 JAN 2002
Whalers Bay, Deception Island	103	17 JAN 2002
At sea		18-19 JAN 2002
Ushuaia, ARGENTINA		20 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

**Cruise EN-4202**

January 2002

106 PAX; 11 STAFF; 66 CREW

<u>Ports</u>	<u># PAX<sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		20 JAN 2002
At sea		21 JAN 2002
Aitcho Island	115	22 JAN 2002
Bailey Head, Deception Island	106*	23 JAN 2002
Whalers Bay, Deception Island	105	23 JAN 2002
Devil Island	113	24 JAN 2002
Brown Bluff, Tabarin Peninsula	110	24 JAN 2002
Paulet Island	106	25 JAN 2002
Tay Head, Joinville Island	112	25 JAN 2002
Curtiss Bay	123*	26 JAN 2002
Cuverville Island	112	27 JAN 2002
Paradise Bay	114*	27 JAN 2002

Damoy Point, Wiencke Island	97	28 JAN 2002
Jougla Point, Wiencke Island	52	28 JAN 2002
Goudier Island, Port Lockroy	113	28 JAN 2002
At sea		29-30 JAN 2002
Ushuaia, ARGENTINA		31 JAN 2002

<sup>1</sup> = Includes passengers, staff and crew landed  
\* = zodiac cruising only

**Cruise EN-4203**  
January/February 2002  
100 PAX; 11 STAFF; 65 CREW

<u>Ports</u>	<u># PAX<sup>1</sup> Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		31 JAN 2002
At sea		01 FEB 2002
Aitcho Island	112	02 FEB 2002
Paulet Island	108	03 FEB 2002
Erebus and Terror Gulf	102*	03 FEB 2002
Tay Head, Joinville Island	111	04 FEB 2002
Brown Bluff, Tabarin Peninsula	111	04 FEB 2002
Decepcion Station, Deception Island	101	05 FEB 2002
Goudier Island, Port Lockroy	111	06 FEB 2002
Jougla Point, Port Lockroy	60	06 FEB 2002
Palmer Station, Anvers Island	118	06 FEB 2002
Torgersen Island	78	06 FEB 2002
Cuerverville Island	109	07 FEB 2002
Skontorp Cove, Paradise Bay	103*	07 FEB 2002
Pleneau Island	112	08 FEB 2002
At sea		09-10 FEB 2002
Ushuaia, ARGENTINA		11 FEB 2002

<sup>1</sup> = Includes passengers, staff and crew landed  
\* = zodiac cruising only

**Cruise EN-4204**  
February/March 2002  
102 PAX; 11 STAFF; 65 CREW

<u>Ports</u>	<u># PAX</u> <sup>1</sup> <u>Landed</u>	<u>Dates</u>
Ushuaia, ARGENTINA		12 FEB 2002
At sea		13-14 FEB 2002
Cuerverville Island	113	15 FEB 2002
Goudier Island	107	15 FEB 2002
Jougla Point, Wiencke Island	71	15 FEB 2002
Petermann Island	107	16 FEB 2002
Skontorp Cove, Paradise Bay	112*	17 FEB 2002
Enterprise Island	114	17 FEB 2002
Bailey Head, Deception Island	100	18 FEB 2002
Telefon Bay, Deception Island	104	18 FEB 2002
Whalers Bay, Deception Island	114	18 FEB 2002
Snow Hill Island	108	19 FEB 2002
Penguin Point, Seymour Island	97	19 FEB 2002
Tay Head, Joinville Island	78	20 FEB 2002
At sea		21 FEB 2002
Amphibolite Point, Coronation Island	109	22 FEB 2002
At sea		23-24 FEB 2002
South Georgia		25-28 FEB 2002
At sea		01-02 MAR 2002
Falkland Islands		03-04 MAR 2002
Port Stanley, FALKLAND ISLANDS		05 MAR 2002

<sup>1</sup> = Includes passengers, staff and crew landed

\* = zodiac cruising only

## **Other**

In addition, several other organizations conducted or supported tourism activities in the Antarctic during the 2001-2002 season. Although some of these organizations are not U.S. based, some American citizens were involved in their planned activities and for this reason are reported here.

### **SHIPBORNE**

a) Hapag-Lloyd Cruises of Hamburg, Germany, operated two vessels in the Antarctic Peninsula. The *Hanseatic* conducted 6 cruises, while the *Bremen* conducted 8 cruises.

### **LANDBASED**

Adventure Network International (ANI), a Canadian company with an office in Boca Raton, Florida, conducted several 11-17-day excursions to the interior of the Antarctic continent. Travel from Punta Arenas, Chile, to Adventure Network's Patriot Hills base camp (80°20'S, 81°20'W) was via a South African chartered C-130 cargo/passenger aircraft. These various inland excursions occurred during November 2001 - mid-January 2002 using two chartered Twin Otters and their own Cessna C-A185F aircraft.

## **XI. Refuges**

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*Section XI of the Modifications of Activities Planned for 2001-2002 notes changes to existing refuges and survival caches in the McMurdo area as well as deactivated camps and stations elsewhere on the continent.*

*The following changes to these facilities occurred during the 2001-2002 season.*

### **Tamseis Camp**

**Position:** 81° 39.14'S, 122° 35.27'E

Camp winterized for the season. One 8' x 12' Weatherhaven remains standing. Food, fuel, and survival cache were staged on site for use during the 2002-2003 field season.

### **Onset D Camp**

**Position:** 80° 45.65'S, 125° 47.60'W

Camp winterized for the season. No structures remain standing. Food, fuel, survival cache, and heavy equipment were staged on site for use during the 2002-2003 field season.

### **Siple Dome Camp**

**Position:** 81°39'S, 149°04'E

Camp winterized for the season. One Jamesway and two Generator shacks remain standing. Food, fuel, survival cache, and heavy equipment were staged on site for use during the 2002-2003 field season.

### **Byrd Surface Camp**

**Position:** 80°01'S, 119°32'E

Camp winterized for the season. One Jamesway remains standing. Food, fuel, survival equipment, and traverse structures and vehicles are on site. All permanent structures removed from the camp.

## XII. Permits, Species Killed, Captured

*The following chart provides information on Antarctic Conservation Act (P.L. 95-541) Permits issued during 1 July 2001 to 30 June 2002.*

<b>Permit #</b>	<b>Active Dates</b>	<b>Permit Activity</b>	<b>Location</b>	<b>Purpose</b>
2002-001	01 Dec 01 – 28 Feb 2003	Entry into ASPA	Barwick Valley (ASPAs #123)	Overflight of area to collect topographic data for calibration and validation of the ICESat satellite data use or mapping purposes.
2002-002	20 Dec 01 – 31 Mar 2003	Taking; Import into the U.S.	Ross Sea area	Collect biopsy samples (pencil eraser size) from killer whales for genetic studies to prove or dispel the theory that the resident stock is of a different species.
2002-003	01 Oct 01 – 28 Feb 2003	Taking; Entry into ASPA	White Island (ASPAs #137)	Observe, weight and tag Weddell seals to assess the seal population, distribution and habitat of this isolated colony.
2002-008	01 Dec 01 – 28 Feb 2002	Entry into ASPA's	Cape Evans (ASPAs #154)/ Cape Royds (ASPAs #156 & 121)/ Discovery Hut (ASPAs #157)	Videotape scenes and people conducting research and working in a harsh environment for a TV documentary.
2002-009	01 Dec 01 – 31 Jan 2003	Entry into ASPA	Summit of Mount Melbourne (ASPAs #106)	Conduct aerial and ground photographic observations of all volcanic vents and cones to map volcanic structures in Northern Victoria Land..

<b>Permit #</b>	<b>Active Dates</b>	<b>Permit Activity</b>	<b>Location</b>	<b>Purpose</b>
<b>2002-010</b>	25 Nov 01 – 31 Jan 2002	Entry into ASPA	Cape Crozier (ASPAs #124)	To collect samples from volcanic vents for the purpose of age dating.
<b>2002-011</b>	01 Dec 01 – 31 Mar 2003	Entry into ASPA; Import into the U.S.	Cape Evans (ASPAs #154)/ Cape Royds (ASPAs #156)/ Discovery Hut (ASPAs #157)/ Cape Adare (ASPAs #158)	Investigate the biological deterioration in the historic huts and collect microbial samples for further study of growth rates to determine a suitable environmental monitoring and restoration program.
<b>2002-012</b>	03 Oct 01 – 30 Apr 2006	Entry into ASPA	Cape Hallett (ASPAs #106)	To fence off areas of petroleum surface water and soil to protect the resident Adelie penguin population. This is part of a multi-year remediation program.
<b>2002-013</b>	03 Oct 01 – 31 Dec 2001	Introduce into Antarctica	Crary Science and Engineering Center, McMurdo Station	Import various bacterial cultures for use as quality control cultures for various assays conducted in the lab at McMurdo.
<b>2002-014</b>	01 Nov 01 – 28 Feb 2002	Entry into ASPA	Cape Royds (ASPAs #121)/ Cape Evans (ASPAs #154)/ Cape Royds Hut (ASPAs 156)/ Discovery Hut (ASPAs 157)	To film and document scientific research and the history of scientific exploration for an online teaching and outreach program.

**ASPAs** = Antarctic Specially Protected Area (formerly SPAs and SSSI's)

## XIII. Radioactive Materials

*Section XIII of the Modifications of Activities Planned for 2001-2002 lists any changes in the radioactive materials used during this time period and provides information regarding their form, nuclide, site, and specific use.*

### Add

<u>PROJECT</u>	<u>NUCLIDE</u>	<u>FORM</u>	<u>SITE</u>	<u>USE</u>
BP-045-O	<sup>3</sup> H <sup>3</sup> H	<sup>3</sup> H – Leucine <sup>3</sup> H - Thymidine	US COAST GUARD <i>Polar Star</i>	Transport and Fate of Persistent Organic Pollutants (POP) in Antarctic Coastal Seas
BO-134-O	<sup>35</sup> S	<sup>35</sup> S - Amino Acid Mixture	McMurdo Station	Evolutionary Loss of Heat Shock Response In Antarctic Fishes

### Delete

<u>PROJECT</u>	<u>NUCLIDE</u>	<u>FORM</u>	<u>SITE</u>	<u>USE</u>
BP-134-O	<sup>35</sup> S <sup>14</sup> C	<sup>35</sup> S - Amino Acid Mixture <sup>14</sup> C - Protein	McMurdo Station	Evolutionary Loss of Heat Shock Response In Antarctic Fishes

## **XIV. Research Rockets**

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*Section XIV of the Modifications of Activities Planned  
for  
2001-2002 reports any deviations from the original  
plans regarding the use of research rockets in Antarctica.*

*No significant changes are noted.*

## **XV. Oceanography- Government**

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*Section XV of the Modifications of Activities Planned for 2001-2002 presents final information regarding United States Antarctic Program sponsored oceanographic expeditions during the 2001-2002 season.*

**Note:** For actual tracks of the Research Vessels *Nathaniel B. Palmer* and *Laurence M. Gould* please see Attachment C, Cruise Tracks.

### ***R/V Nathaniel B. Palmer***

The *R/V Nathaniel B. Palmer* made nine science cruises during the period of 30 March 2001 through 31 March 2002. Cruises are:

**Cruise NBP01-02**

1 April – 19 April 2001: Transit from Cape Town, South Africa to Punta Arenas, Chile. *At-sea experiences in real-time marine geophysical data collection methods and geophysical data processing.*

GO-071-O (Cande)

**Cruise NBP01-03**

23 April – 06 June 2001: *SO GLOBEC Survey I*

BG-247-O (Wiebe)

**Cruise NBP01-03A**

09 June – 20 June 2001: *Palmer Shuttle*

21 June – 20 July 2001 *Maintenance Period Punta Arenas, Chile*

**Cruise NBP01-04**

21 July – 01 September 2001: *SO GLOBEC Survey II*

BG-247-O (Wiebe)

**Cruise NBP01-05**

07 September – 19 October 2001 *Long Term Ecological Research (LTER) on the Antarctic Marine Ecosystem: An Ice-Dominated Environment.*

BP-032-L/N/P (Raymond Smith)

**Open Period** 20 October – 29 October 2001

**Cruise NBP01-05A**

30 October – 05 November 2001 *RPSC Training Cruise*

**Cruise NBP01-06**

09 November – 01 December 2001: *Cape Shirreff Opening November 13-15*

**Cruise NBP01-07**

05 December – 13 January 2002: *Development of a Luminescence Dating Capability for Antarctic Glaciomarine Sediments: Tests of Signal Zeroing at the Antarctic Peninsula*

GO-092-O (Berger)

GO-073-O (Domack)

09 December – Set up Aronson (GO-065-O) *Seymour Island*

09 January – Pick up Aronson *Seymour Island.*

**Cruise NBP02-01**

18 January – 04 March 2002 *Late Pleistocene to Holocene Glacial History of West Antarctica.*

GO-083-O (Anderson)

**Open Period**

05 March - 08 April 2002

### **Biology & Medicine**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Fritsen (+1)	BG-235-O	Desert Research Institute
Daly (+4)	BG-236-O	University of Southern Florida
Hildebrand (+6)	BG-239-O	Scripps Institute of Oceanography
Powell (+2)	BG-242-O	University of California, Berkeley
Ribic (+4)	BG-243-O	University of Wisconsin, Madison
Torres (+4)	BG-245-O	USF, College of Marine Science
Vernet (+10)	BG-246-O	USCD
Wiebe, Peter (+16)	BG-247-O	Woods Hole Oceanographic Inst.
Zhou (+1)	BG-248-O	University of Massachusetts
Fraser (+2)	BP-013-O	Woods Hole Oceanographic Inst
Martinson (+1)	BP-021-O	Lamont Doherty Earth Observatory
Ross/Quetin (+8)	BP-028-O	University of California, Santa Barbara
Smith, Raymond (+5)	BP-032-O	Woods Hole Oceanographic Inst
Ducklow (+4)	BP-045-O	College of William & Mary
Karl (+4)	BP-046-O	University of Hawaii

### **Oceans and Climate**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Beardsley (+3)	OG-231-O	Woods Hole Oceanographic Inst
Fanning (+4)	OG-233-O	University of Southern Florida
Padman (+1)	OG-238-O	Earth & Space Research
Hofmann (+8)	OG-240-O	Old Dominion

### **Geology & Geophysics**

<b>Principal Investigator</b>	<b>Event</b>	<b>Institution</b>
Berger (+10)	GO-092-O	Research Desert Institute
Cande, Steve (+12)	GO-071-O	Scripps Institute of Oceanography
Anderson (+9)	GO-083-O	Rice University
Bart (+5)	GO-154-O	Louisiana State University

## **R/V Laurence M. Gould**

The R/V *Laurence M. Gould* made fourteen science cruises and passenger transports to the Antarctic Peninsula during the period of 31 March 2001 through 1 April 2002.

### **Cruise LMG01-03**

18 March – 13 April 2001: *Deglacial Chronology of the Northern Scott Coast form Relative Sea-Level Curves*

IO-196-O (Hall)

### **Cruise LMG01-4**

20 April 2001 – 06 June 2001: *GLOBEC-LMG/NBP I*

BG-245-O (Torres)

### **Cruise LMG01-05**

11 June – 16 July 2001: *Proteins of Oxygen-Binding and Energy Metabolism in Muscles of Antarctic Fishers: Evolutionary Adjustments to Life at Cold Temperatures and Structure, Function, and Expression of Tubulins, Globins, and Microtubule-Dependent Motors from Cold-Adapted Antarctic Fishes*

BO-036-O (Sidell)

BO-037-O (Detrich)

### **Cruise LMG01-06**

21 July – 01 September 2001 *GLOBEC LMG/NBP II*

BG-232-O (Costa)

### **Cruise LMG01-07**

02 September – 14 September 2001: *Maintenance Period, Punta Arenas, Chile*

### **Cruise LMG01-08**

15 September – 29 September 2001: *Palmer Station Opening*

### **Cruise- Open period**

September 30 – 07 October 2001

### **Cruise LMG01-08A**

08 October – 21 October 2001: *Open COPA*

**Cruise LMG01-08B**

26 October – 06 November 2001: *Palmer Station Shuttle #2*

**Cruise Open period**

07 November – 01 December 2001

**Cruise LMG01-09**

02 December – 28 December 2001: *Dynamics of Predator-Prey Behavior in the Antarctic Ocean, Dispersal of Planktonic Invertebrate Larvae and the Biogeography of the Antarctic Benthos.*

BO-023-O (Veit)

BO-281-O (Scheltema)

**Cruise LMG02-01**

02 January – 01 February 2002: *Long Term Ecological Research (LTER) on the Antarctic Marine Ecosystem: An Ice-Dominated Environment*

BP-028 (Quetin/Ross)

**Cruise LMG02-01A, LMG01-02B, and LMG02-02**

05 February – 03 March 2002: Palmer Station Shuttle

07 March – 18 March 2002: Palmer Station Shuttle

22 March – 02 April 2002: Palmer Station Shuttle

## **Biology & Medicine**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Costa (+8)	BG-232-O	University of California, Santa Cruz
Fraser (+3)	BG-234-O	Polar Oceans Research Group
Fritzen (+5)	BG-235-O	Desert Research Institute
Daly (+2)	BG-236-O	University of Southern Florida
Harvey (+2)	BG-237-O	Chesapeake Bio Lab, UMCES
Ross-Quetin (+24)	BG-244-O	University of California, Santa Barbara
Torres, Joseph (+5)	BG-245-O	University of South Florida

Zhou (+4)	BG-248-O	University of Massachusetts
Veit, Richard (+10)	BO-023-O	City University of New York
Sidell, Bruce (+5)	BO-036-O	University of Maine
Detrich, Wm. (+6)	BO-037-O	Northeastern University
Scheltema, Rudolph (+11)	BO-281-O	Woods Hole Oceanographic Inst.

### **Glaciology**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Hall, Brenda (+1)	IO-196-O	University of Maine

### **Ocean & Climate**

<b>Principal Investigator</b>	<b>I.D. No.</b>	<b>Institution</b>
Padman (+1)	OG-238-O	Earth & Science Research
Hofmann (+1)	OG-240-O	Old Dominion
Martinson (+3)	OG-241-O	Lamont Doherty Earth Observatory

### ***R/V Yuzhmorgeologiya***

Information on cruises conducted by the *R/V Yuzhmorgeologiya* on behalf of NOAA's Antarctic Marine Living Resources field program is not available at this time. The "AMLR 2001/2002 Field Season Report" will be available later in the fall. Contact the following address for a copy of the printed report:

Southwest Fisheries Service Center  
National Marine Fisheries Service  
National Oceanic & Atmospheric Administration  
P.O. Box 271  
La Jolla, CA 92038

Note: See Appendix III for complete list of scientific personnel for each I.D. No.

## XVI. Visiting Expeditions

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*Section XVI of the Modifications of the United States Antarctic Activities Planned for 2001-2002 provides information on expeditions visiting U.S. stations during the 2001-2002 austral summer.*

### McMurdo Station

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
8 Jan 2002	1 day	85	<i>Kapitan Klebnikov</i>	Tourist Visit
31 Jan 2002	1 day	69	<i>Kapitan Klebnikov</i>	Tourist Visit

### Amundsen-Scott South Pole Station

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
4 Dec 2000	3 hours	6	Adventure Network International – Twin Otter	Tourist Visit
8 Dec 2000	4.25 hours	10	Adventure Network International – Twin Otter	Tourist Visit
20 Dec 2000	48 hours	2	Norwegian Skiers	Tourist Visit

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
2 Dec 2001	3 hours	11	Adventure Network International – DC3	Tourist Visit
15 Dec 2001	3 hours	6	Adventure Network International – DC3	Tourist Visit
18 Dec 2001	4 hours	12	Adventure Network International – DC3	Tourist Visit
25 Dec 2001	74 hours	7	Adventure Network International – Ski Last Degree	Tourist Visit
28 Dec 2001	2 hours	2	Adventure Network International – DC3	To pick up Ski Last Degree
8 Jan 2002	44 hours	14	Russian Expedition – Antonov-3	Tourist Visit
10 Jan 2002	4 hours	14	Adventure Network International – DC3	To pick up 7 non-Russians from Antonov-3 group and Tourist Visit
16 Jan 2002	3 hours	16	Adventure Network International – DC3	Tourist Visit
18 Jan 2002	2 hours	13	Adventure Network International – DC3	Marathon preparatory flight
22 Jan 2002	41 hours	8	Adventure Network International – DC3	Marathon pick-up

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
22 Jan 2002	32 hours	5	Adventure Network International – Marathon Runners	Marathon
27 Jan 2002	25 hours	3	Adventure Network International – Skiers	Ski South Pole Expedition
27 Jan 2002	3 hours	9	Adventure Network International – Twin Otter	Tourist
28 Jan 2002	4 hours	7	Adventure Network International – Twin Otter	Tourist and Ski South Pole Expedition pick- up
1 Feb 2002	Unknown	2	Wearable Expedition Skiers	Wearable Expedition
2 Feb 2002	2 hours	1	Adventure Network International – Twin Otter	Wearable Expedition pick-up

## **Palmer Station**

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
30 Nov 2001	4.5 hours	24	<i>RRS James Clark Ross</i>	BAS
18 Dec 2001	4.5 hours	6	<i>S/Y Philos</i>	Yacht
31 Dec 2001	3.5 hours	53	<i>M/S Professor Molchanov</i>	Tourist

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
3 Jan 2002	3.5 hours	9	<i>S/Y Croix St Paul II</i>	Yacht
4 Jan 2002	3.0 hours	9	<i>S/Y Sarah W. Vorwerk</i>	Yacht
11 Jan 2002	8.0 hours	15	<i>S/Y John Laing</i>	British Army Antarctic Expedition
13 Jan 2002	4.0 hours	110	<i>M/S Explorer</i>	Tourist
15 Jan 2002	1.5 hours	0	<i>M/S Marco Polo</i>	Offshore Lecture
15 Jan 2002	1.5 hours	5	<i>HMS Endurance Helo</i>	BAS
16 Jan 2002	5.0 hours	105	<i>M/S Endeavor</i>	Tourist
17 Jan 2002	5.5 hours	0	<i>M/S Ryndam</i>	Offshore Lecture
17 Jan 2002	3.5 hours	43	<i>HMS Endurance</i>	BAS
21 Jan 2002	5.0 hours	95	<i>M/S Polar Star</i>	Tourist
22 Jan 2002	4.5 hours	118	<i>M/S Clipper Adventurer</i>	Tourist
24 Jan 2002	3.0 hours	8	<i>ARA Suboficial Castillo</i>	Armada Argentina

<u>Date of Visit</u>	<u>Duration of Visit</u>	<u>Number of Visitors</u>	<u>Group Name or # of Vessel or Aircraft</u>	<u>Purpose of Visit</u>
30 Jan 2002	2.0 hours	48	<i>I/B Kapitan Dranitsyn</i>	Tourist
2 Feb 2002	4.0 hours	0	<i>M/S Ryndam</i>	Offshore Lecture
4 Feb 2002	5.0 hours	6	<i>S/Y Ada II</i>	Yacht
6 Feb 2002	5.0 hours	113	<i>M/S Endeavor</i>	Tourist
7 Feb 2002	2.0 hours	101	<i>M/S Explorer</i>	Tourist
8 Feb 2002	3.0 hours	9	<i>S/Y Croix St Paul Ii</i>	Yacht
10 Feb 2002	4.0 hours	54	<i>M/S Professor Multanovskiy</i>	Tourist / Medevac
12 Feb 2002	5.0 hours	10	<i>S/Y Sarah W. Vorwerk</i>	Yacht
18 Feb 2002	4.5 hours	55	<i>M/S Professor Multanovskiy</i>	Tourist
25 Feb 2002	1.5 hours	18	<i>ATF Lautaro</i>	Armada de Chile
1 Mar 2002	4.5 hours	12	<i>S/Y Alaska Eagle</i>	Yacht
26 Mar 2002	4.0 hours	42	<i>RRS Ernest Shackleton</i>	BAS

